

BRAZENIKOVA, M.G.; KHUGLYAK, Ye.B.; KONSTANTINOVA, N.V.; LAVROVA, M.P.

Isolation, purification and investigation of certain physico-chemical properties of antibiotic 6613. Antibiotiki 4 no.4: 29-33 Jl-Ag '59. (MIRA 12:11)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.  
(ANTIBIOTICS chem)

KRUGLYAK, Ye.B.; KONSTANTINOVA, N.V.; SULAVKO, L.A.

New method for the isolation of antibiotic 6613 and its comparison  
with ethamycin. Antibiotiki 6 no.4:298-302 Ap '61. (MIRA 14:5)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.  
(ANTIBIOTICS)

IVANITSKAYA, L.P.; KRUGLYAK, Ye.B.; MAKSIMOVA, T.S.; PREOBRAZHENSKAYA, T.P.

Production of echinomycinlike substances by various types of  
actinomycetes. Antibiotiki 6 no.5:393-397 My '61. (MIRA 14:7)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.  
(ANTIBIOTICS) (ACTINOMYCES)

BRAZHNKOVA, M.G.; KRUGLYAK, Ye.B.; KOVSHAROVA, I.N.; KONSTANTINOVA, N.V.;  
PROSHLYAKOVA, V.V.

Isolation, purification and study of some physical-chemical  
properties of the new antibiotic olivomycin. Antibiotiki  
7 no.3:39-44 Mr '62. (MIRA 15:3)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.  
(ANTIBIOTICS)

KRUGLYAK, Ye.B.; UKHOLINA, R.S.; SVESHNIKOVA, M.A.; PROSHLYAKOVA, V.V.;  
KOVSHAROVA, I.N.

Isolation and properties of the new antibiotic, 323/58, with  
an antitumor action. Antibiotiki 7 no.7:582-593 J1'62.

(MIRA 16:10)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.  
(CANCER) (ANTIBIOTICS) (CYTOTOXIC DRUGS)

KRUGLYAK, Ye. B.; MEZENTSEV, A. S.; BORISOVA, V. N.; FEDOROVA, G. B.; BRAZHNIKOVA, M. G.

"Characterization of some olivomycin derivatives and decomposition products."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Search of New Antibiotics, AMS USSR, Moscow.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAK, Ye.B.; BORISOVA, V.N.; BRAZHNIKOVA, M.G.

Chromatographic comparison between olivomycin and some related antibiotics. Antibiotiki 8 no.12:1064-1067 D '63. (MIRA 17:10)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

BRAZHNIKOVA, M.G.; KRUGLYAK, Ye.B.; BORISOVA, V.N.; FEDOROVA, G.B.

Study of olivomycin homogeneity. Antibiotiki 9 no.2:141-146  
F '64. (MIRA 17:12)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

BRAZHNIKOVA, M.G.; KRUGLYAK, Ye. B.; BORISOVA, V.N.; POKRAS, L.S.

Isolation, purification and characteristics of the antibiotic  
14725 from the ostreogrycin group. Antibiotiki 10 no.1:43-48  
Ja '65. (MIRA 18:4)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

MEZENTSEV, A.S.; KRUGLYAK, Ye.B.; BURICOVA, V.N.; FEDOROVA, G.B.; BRAZHNIKOVA,  
M.G.

Production of some olivomycin derivatives and their physicochemical  
characteristics. Antibiotiki 10 no.5:410-414 My '65.

(MIRA 18:6)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

СИЧАНОВА, А.А.; ДЕДОВСКАЯ, Е.Е.: БРУНОВСКАЯ, Е.М.

Products of acid hydrolysis of olivomycin. Antibiotic no. 9;  
860-804-3 '65. (III A 1870)

I. Institut po Izucheniyu novykh antibiotikov Ministerstva  
zdravookhraneniya SSSR, Moscow.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

UKHOLINA, R.S.; KRUGLYAK, Ye.B.; BORISOVA, V.N.; KOVSHALOVA, I.H.;  
PROSHLYAKOVA, V.V.

Production of antibiotics related to olivomycin by various  
Actinomyces species. Mikrobiologiya 34 no.1:147-156 Ja-F  
'65. (MIRA 18:7)

1. Institut po izucheniiu novykh antibiotikov AMN SSSR.

L 22-11-00 IWT(1)/T JK  
ACC NR: AP6014829

SOURCE CODE: UR/0297/65/010/001/0043/0048

AUTHOR: Brazhnikova, M. G.; Kruglyak, Ye. B.; Borisova, V. N.; Pokras, L. S.

ORG: Institute for the Search of New Antibiotics, AMN SSSR, Moscow (Institut po izyskaniyu novykh antibiotikov AMN SSSR) 31 B

TITLE: Isolation, purification, and characteristics of the antibiotic 14725 of the group of osterogrysins

SOURCE: Antibiotiki, v. 10, no. 1, 1965, 43-48

TOPIC TAGS: antibiotic, bacteria, chromatography/14725 antibiotic

ABSTRACT: The antibiotic 14725 was isolated from the cultural liquid of Actinomycete 14725 of the *Actinomyces Kurssanovi* species by extraction with ethyl acetate at a pH of 7.0 to 7.2; the extract was washed with water and concentrated in vacuum; the concentrated solution was treated with petroleum ether which precipitated the antibiotic; the latter was crystallized by a mixture of heated ethyl acetate with benzene (7:3). Chromatography was used for the investigation of the composition of the crystalline antibiotic. A system of chloroform-carbon tetrachloride applied on paper saturated with ethylene glycol indicated that the preparation is composed of three components. Two components are crystalline, soluble in chloroform, ethyl acetate, and ethanol, poorly soluble in benzene, and insoluble in carbon tetrachloride. The third component was not obtained in the form of a homogenous compound. A qualitative

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UDC: 615.779.931-011/014

L 22937-66

ACC NR: AP6014829

analysis of the first two components established that the first component contains almost twice as much of N as the second component. With  $\text{FeCl}_3$  the first component produces a red tint, while the second--a green tint. An investigation of the biological properties of both components revealed that the first component was active in relation to *Bacterium subtilis*, and the second--against *Staphylococcus aureus*; in addition both components were found to be synergistically active against *Staphylococcus aureus*. Data obtained in the investigations established also that antibiotic 14725 is close to a large number of antibiotics known as ostreogrysins. Among them are streptogramin, staphylomycin, antibiotic PA-114, micamycin, and ostreogyrzin. It was found also that the properties of first component of antibiotic 14725 do not differ from those of micamycin, and that the properties of the second component do not differ from those of micamycin A and staphylomycin M-1. Orig. art. has: 3 figures and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 24Dec63 / ORIG REF: 002 / OTH REF: 013

Card 2/2-10

84675

S/020/60/134/006/024/031

B004/B054

114100

AUTHORS: Izmaylov, N. A. and Kruglyak, Yu. A.

TITLE: On the Problem of Ion Solvation

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 6,  
pp. 1390-1393

TEXT: The authors discuss the calculation of the isobaric-isothermal potential  $\Delta Z_h^i$ , the enthalpy  $\Delta H_h^i$ , and the entropy  $\Delta S_h^i$  on the basis of electrostatic concepts as expressed by equation (1):  $A = -nz\epsilon\mu/r^2$  ( $n$  = degree of hydration,  $z$  = ion charge,  $\mu$  = dipole moment of the water molecule). The authors doubt the validity of this equation for solutions. In Table 1, they give the data for  $\mu$ , the dielectric constant  $\epsilon_0$ , the molecular volume  $V_M$ , and  $-\Delta Z_h^i$  of Li<sup>+</sup>, Na<sup>+</sup>, K<sup>+</sup>, Rb<sup>+</sup>, Cs<sup>+</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, F<sup>-</sup> ions in water, methanol, ethanol, acetic acid, and ammonia. From these data they conclude that an accurate calculation of the solvation energy is not possible with the aid of the electrostatic concept. Therefore, they present an explanation of solvation on the basis of donor-acceptor

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On the Problem of Ion Solvation

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S/020/60/134/006/024/031  
B004/B054

bonds of the molecular orbit theory. Table 2 shows the vacant orbits for the ions mentioned and the degree of their hydration, as well as  $\Delta H_h^i$ , and the hydrate structure. It is found that the interaction between ion and solvent is proportional to  $n^{-2}$ . Fig. 1 shows  $-\Delta H_h^i/n^2$  as a function of  $n^{-2}$  for the ions mentioned. There is an agreement of  $\Delta H_h^i$  for the ions of alkali metals and halogens with equal vacant levels, and also for the ions of alkaline-earth metals. The different values of  $\Delta Z_s^i$  of the ions (differences between 5 and 10 kcal/mole) are explained by a change in secondary solvation, which strongly depends on the properties ( $D_s$ ,  $\mu$ ,  $V_M$ ) of the solvent. The total solvation energy of ions in solvents whose molecules have electrons on adjacent levels is composed of the large value of the primary solvation energy  $\Delta Z_{prim}^i$ , which is little dependent on the nature of the solvent, and of the small value of the secondary solvation energy  $\Delta Z_{sec}^i$ , which is strongly influenced by the nature of the solvent. The  $\Delta Z_{prim}^i$  of different isoelectric ions containing equal

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On the Problem of Ion Solvation

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vacant orbits are nearly equal in solvents which can emit electrons of equal levels to these orbits. The authors mention papers by N. A. Izmaylov and Ye. F. Ivanova (Ref. 3), K. P. Mishchenko and A. M. Sukhotin (Ref. 1), A. F. Kapustinskiy and K. B. Yatsimirskiy (Ref. 4). There are 1 figure, 2 tables, and 6 Soviet references.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo  
(Khar'kov State University imeni A. M. Gor'kiy) *JK*

PRESENTED: May 23, 1960, by M. I. Kabachnik, Academician

SUBMITTED: May 12, 1960

Card 3/3

IZMAYLOV, N. A.(Kharkov); KRUGLYAK, Yu. A.(Kharkov); GASHPAR, R.  
[Gaspar, R.](Debrecen); TAMASHI-LENTEI[Tamassy-Lentei, I.](Debrecen)

Quantum mechanical calculation of proton affinity. Acta phys Hung 13  
no.2:203-210 '61.

1. Kharkovskiy Gosudarstvennyy universitet im. A.M. Gor'kogo, Kafedra  
fizicheskoy khimii, Khar'kov, Sovetskiy soiuz.(for Izmaylov, Kruglyak)
2. Universitet im. Layosha Koschuta, Institut teoreticheskoy fiziki,  
Debretsen (for Gaspar, Tamassy-Lentei). Predstavleno: A. Kowya.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

SHKODIN, A.M.; ALEKSANDROV, V.V.; SPIVAK, L.L.; VAYL', Ye.I.; CHERNYY, V.S.;  
TITOV, Ye.V.; IVANOVA, Ye.F.; KRUGLYAK, Yu.A.; RYBGIN, Yu.F.

Nikolai Arkad'evich Izmailov, 1907-1961. Ukr.khim.zhur. 28  
no.2:271-282 '62. (MIRA 15:3)  
(Izmailov, Nikolai Arkad'evich, 1907-1961)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

KRUGLYAK, Yu.A.; UITMEN, D.R. [Whitman, Donald R.]

Calculation methods in quantum chemistry. Part 2: Calculation of some two-centered molecular integrals on an electronic digital computer. Zhur.strukt.khim. 4 no.1:91-97 Ja-P '63. (MIRA 16:3)

1. Khar'kovskiy gosudarstvennyy universitet, kafedra fizicheskoy khimii i Tekhnologicheskiy institut Keysa, Klivlend, SShA.  
(Quantum chemistry) (Electronic computers)

KRUGLYAK, Yu.A.; UITMEN, D.R. [Whitman, D.R.]

Methods of computations in quantum chemistry. Part 3: Calculation  
of the interaction of ns(a) 2pz(b) by the molecular orbital  
method with the use of a rapid-acting digital computer. Zhur.-  
strukt.khim. 4 no.2:254-260 Mr-Ap '63. (MIRA 16:5)

1. Khar'kovskiy gosudarstvennyy universitet, kafedra fizicheskoy  
khimii i Tekhnologicheskiy institut Keysa, Klivland, SShA.  
(Quantum chemistry) (Molecular orbitals)

KRUGLYAK, Yu.A.

Calculation methods in quantum chemistry. Part 4: Radial integrals  
of the ligand field theory. Zhur. strukt. khim. 5 no.5:765-769  
S-0 '64 (MIRA 18:1)

1. Institut fizicheskoy khimii AN UkrSSR.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAK, Yu,A.

First All-Union School of Quantum Chemistry. Zhur. strukt. khim.  
5 no.5:803-804 S-0 '64 (MIRA 18:1)

1. Direktor I Vsesoyuznoy shkoly kvantovoy khimii.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

KRUGLYAK, Yu.A.; DANILOV, V.I.; GAYDAY, V.M.

Recording tautomeric forms of bases in the process of the construction of a genetic code. Dokl. AN SSSR 157 no.1:201-202  
Jl '64 (MIRA 17:8)

1. Institut fizicheskoy khimii AN UkrSSR. Predstavлено академиком V.A. Engel'gardtom.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

DANILOV, V. I.; KRUGLYAK, Yu.A.

Diagram of an "unusual" coupling of complex binary lines in  
DNA. Dokl. AN SSSR 157 no.4:985 Ag '64 (VKA 11:8)

1. Institut fizicheskoy khimii im. L.V. Pisar'hevskogo AN  
UkrSSR. Predstavлено академиком A.N. Belozerskym.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

DANILOV, V.I.; KRUGLYAK, Yu.A. [Kruhliak, Iu.G.]; TOLPYNO, A.B. [Tolpyno, K.B.];  
SHPANERO, O.V.

Statistical analysis of a protein text. Dop. AN UkrSSR no 5:627-630  
'65. (MIRA 18:5)

1. Institut fizicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

SHRAMEN, T.V.; BULYLOV, V.I.; KRUGLYAK, Yu.A.

$\pi$ -electron structure of rare pairs of bases of DNA and the mechanism of spontaneous mutations connected with tautomerism of bases. Biofizika 10 no.4:561-566 '65. (MIRA 18:8)

1. Institut fizicheskoy khimii im. L.V. Pisarzhevskogo AN UkrSSR, Kiyev.

KRUGLYAK, Yu.A.; DANILOV, V.I.; SHRAMKO, O.V.

Systems of nucleic acid base pairings. Biofizika 10 no.3:  
399-403 '65. (MIRA 18:11)

1. Institut fizicheskoy khimii imeni Pisarshevskogo AN UkrSSR,  
Kiyev. Submitted July 28, 1964.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUOL'YAK, Yu.A.

"KHIUKKEL'" program for the computation of the structure and  
properties of molecules. Elektrotehnika, 36 no.9:41 S '65,  
(MIRA 18,9)

I. Institut fizicheskoy khimii imeni L.V. Pisazhevskogo AN  
UkrSSR, Kiyev.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

MATSKIN, V.S., inzh.; TUL'CHINSKIY, Yu.V., inzh.; ANTMAKHER, B.I., inzh.;  
KRUGLYAK, Yu.B., inzh.

Multipoint two-position temperature regulator using an electronic  
bridge. Khol. tekhn. 38 no.6:16-17 N-D '61. (MIRA 15:1)

1. Proyektno-konstruktorskiy institut Pishcheprom (for Matskin,  
Tul'chinskiy). 2. Odesskiy kholodil'nik (for Antmakher, Kruglyak).  
(Temperature regulators)

ACC NR: AP6030553

SOURCE CODE: UR/0413/66/000/016/0031/0032

INVENTOR: Martynov, I. V.; Privezentseva, N. F.; Kruglyak, Yu. L.

ORG: none

TITLE: Preparation of mixed esters of alkylfluorophosphoric acids and halogen substituted oximes. Class 12, No. 184847

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 31-32

TOPIC TAGS: phosphate, alkyl fluorophosphate, halogenated oxime, dialkyl phosphate, ester, phosphoric acid, halogenated organic compound, organic oxime compound, chemical reaction

ABSTRACT: In the proposed method, mixed esters of alkylfluorophosphoric acids and halogenated oximes are obtained by the reaction of dialkyl phosphates with chloronitro- or chloronitrosomethanes in an inert solvent. [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 17Aug63/

Card 1/1

UDC: 547.288.4 '22'118.07

ACC NR: AP6030557

SOURCE CODE: UR/0413/66/000/016/0032/0032

INVENTOR: Martynov, I. V.; Kruglyak, Yu. L.; Gololobov, Yu. G.; Leybovskaya, G. A.

ORG: none

TITLE: Preparation of mixed esters of diethylphosphoric acid and oximes of glyoxalic acid esters. Class 12, No. 184852

SOURCE: Izobreteniya, omyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 32

ABSTRACT: To obtain physiologically active compounds of mixed esters of ethyl-phosphoric acid and oximes of glyoxalic acid esters, chloronitro-acetates are treated with trialkyl phosphites with cooling, then the reaction mixture is heated to 50°. [WA-50; CBE No. 11].

SUB CODE: 07/ SUBM DATE: 26May62/

Card 1/1

UDC: 547.419.1.07

MARTYMOV, I. V.; KRUGLYAK, Yu. L.

Mechanism of the nitration of haloolefins with a nitrating mixture. Zhur. VKHO 8 no.2:237-238 '63. (MIRA 16:4)

(Olefins) (Nitration)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

MATYNOV, I.V.; KRUGLYAK, Yu.L.; LEYBOVSKAYA, G.A.

Reaction of olefin halides with nitrogen tetroxide in the  
presence of ammonium chloride. Zhur. VKHO 10 no.5:591-592  
'65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

MARTYNOV, I. V.; KRUGLYAK, Yu. L.

Preparation of fluorinated  $\alpha$ -nitrocarboxylic acids. Zhur.  
(MIRA 16:4)  
VKHO 8 no. 2:237 '63.

(Acids, Organic) (Fluorination)  
(Nitration)

MARTYNOV, I.V.; KRUGLYAK, Yu.L.; MAKAROV, S.P.

Halo- $\alpha$ -nitrocarboxylic acids. Part 1: Derivatives of chloro-nitroacetic acid. Zhur.ob.khim. 33 no.10:3382-3384 0 '63.

Halo- $\alpha$ -nitrocarboxylic acids. Part 2: Derivatives of fluoro-chloronitroacetic acid. 3384-3386

Halo- $\alpha$ -nitrocarboxylic acids. Part 3: Derivatives of  $\alpha$ -nitro-perfluorocarboxylic acids. 3386-3388 (MIRA 16:11)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

MARTYNOV, I.V.; KRUGLYAK, Yu.L.; MAKAROV, S.P.; TKACHEV, V.G.

Halo- $\alpha$ -nitrocarboxylic acids. Part 4: Derivatives of fluoro-chloro- $\alpha$ -nitropropionic acids. Zhur.ob.khim. 33 no.10: 3388-3391 O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

MARTYNOV, I.V.; KFUDLYAK, Yu.L.

Halo-d-nitrocarboxylic acids. Part 9; Derivatives of fluoro-nitroacetic acid. Zhur. ob. khim. 35 no.6:967-969 Je '65.  
(MERA 18:6)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

VERMEL', Ye.M. (Moskva, G-19, ul. Gritsevets, d.4 kv.9); KRUGLYAK-SYHKINA,  
S.A. (Moskva, Pushkinskaya ul., d.16, kv. 5)

Effect of peucedanin and phosphoramides on transplanted animal tumors.  
(MIRA 12:12)  
Vop.onk. 5 no.7:48-51 '59.

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh  
i aromaticheskikh rasteniy (dir. - N.Ya. Itskov).  
(ANTIMOPLASTIC AGENTS - pharmacology)  
(COUMARINS - pharmacology)

VOLKOV, Yu.I., inzh.; GAFANOVICH, A.A., kand.tekhn.nauk; GLADKOV, N.G., kand.sel'skokhoz.nauk; GORKUSHYA, A.Ye., agr.; ZHITNEV, N.P., inzh.; ZANIN, A.V., kand.tekhn.nauk; ZAUSHITSYN, V.Ye., kand.tekhn.nauk; ZVOLINSKIY, N.P.; ZEL'TSERMAN, I.M., kand.tekhn.nauk; KAIPOV, A.N., kand.tekhn.nauk; KASPAROVA, S.A., kand.sel'skokhoz.nauk; KOLOTUSHKINA, A.P., kand.ekon.nauk; KRUGLYAKOV, A.M., inzh.; KURNIKOV, I.I., inzh.; LAVRENT'YEV, L.N., inzh.; LEBEDEV, B.M., kand.tekhn.nauk; LEVITIN, Yu.I., inzh.; MAKHLIN, Ye.A., inzh.; NIKOLAYEV, G.S., inzh.; POLESHCHENKO, P.V., kand.tekhn.nauk; POLUNOCHEV, I.M., agr.; P'YANKOV, I.P., kand.sel'skokhoz.nauk; RABINOVICH, I.P., kand.tekhn.nauk; SOKOLOV, A.F., kand.sel'skokhoz.nauk; STISHKOVSKIY, A.A., inzh.; TURBIN, B.G., kand.tekhn.nauk; CHABAN, I.V., inzh.; CHAPKEVICH, A.A., kand.tekhn.nauk; CHERNOV, G.G., kand.tekhn.nauk; SHMKLEV, B.M., kand.tekhn.nauk; KRASHICHENKO, A.V., inzh., red.; KLETSKIN, M.I., inzh.. red.; MOLYUKOV, G.A., inzh., red.; ELAGOSKLONOVA, N.Yu., inzh., red.; UVAROVA, A.F., tekhn.red.

[Reference book for the designer of agricultural machinery in two volumes] Spravochnik konstruktora sel'skokhoziaistvennykh mashin v dvukh tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.1. 1960. 655 p. (MIRA 13:11)  
(Agricultural machinery--Design and construction)

KRUGLYAKOV, Moisey L'vovich, kand. sel'khoz. nauk; KRUGLYAKOV,  
Al'fred Moiseyevich, inzh.; LEONOVA, T.S., red.; ATROSHCHENKO,  
L.Ye., tekhn. red.

[Soil fertility technique; fertilizers and new machines for  
their placement in the soil] Tekhnika plodorodia; udobreniya  
i novye mashiny dlia vneseniia ikh v pochvu. Moskva, Izd-vo  
"Znanie," 1964. 62 p. (Novoe v zhizni, nauke, tekhnike.  
V Seriiia: Sel'skoe khoziaistvo, no.4) (MIRA 17:3)

KRUGLYAKOV, M.L.; KRUGLYAKOV, A.M.; RADINA, M.M., red.

[Mechanization of the preparation and placement of  
fertilizers] Mekhanizatsiya podgotovki i vneseniia udob-  
renii. Izd.3., dop. i ispr. Moskva, Kolos, 1965. 286 p.  
(MIRA 18:7)

KRUGLYAKOV, B.M.

Three-year experience of the Leningrad City radio rebroadcasting network  
in operating on a business accounting basis. Vest.sviazi 14 no.4:17-18  
Ap '54. (MLRA 7:6)

1. Zamestitel' nachal'nika direktsii Leningradskoy gorodskoy radio-  
translyatsionnoy seti. (Leningrad--Radio) (Radio--Leningrad)

ACC NR: AT/004845

SOURCE CODE: UR/3226/66/000/040/0001/0011

AUTHOR: Dolgov-Savel'yev, G. G.; Kruglyakov, E. P.; Malinovskiy, V. K.; Fedorov, V. M.

ORG: none

TITLE: Optical interferometry of plasma

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut yadernoy fiziki. Preprint, no. 4, 1966. Opticheskaya interferometriya plazmy, 1-11 and inserts following p. 11

TOPIC TAGS: optic interference, plasma diagnostics, plasma electron, electron density, laser application

ABSTRACT: The authors describe an optical interferometer used in conjunction with a laser at the Institute of Nuclear Physics SO AN SSSR for the measurement of the electron density in a plasma under thermonuclear conditions and to determine the degree of ionization of the plasma. Two different variants of the interferometer are described, one with a field of 150 mm and the other with a field of 250 mm. The theory of the interferometer is briefly outlined and the individual interferometer elements are described together with the requirements which they must satisfy. The characteristics of the lasers used for the illumination of the optical interferometers are presented. The lasers used were a Q-switched ruby laser, Q-switched neodymium-glass laser, and a quasi-cw ruby laser. Suitable high-speed photography devices are also described. The minimum observable electron densities are  $5 \times 10^4 \text{ cm}^{-3}$  when a Mach-

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ACC NR: AT7004845

Zender interferometer is used. The sensitivity can be doubled by using a Michelson interferometer, and improved further (to  $10^{14} \text{ cm}^{-3}$ ) using the longer wavelength of the neodymium-glass laser. The authors also used a scheme consisting of Michelson and Fabry-Perot interferometers, and were able to effect a sixfold passage of light through the arm with the plasma. This should theoretically increase the sensitivity by 10 - 20 times, but the equipment vibrated excessively and its potential capabilities could not be realized. Orig. art. has: 4 figures, 5 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 009

Card 2/2

4 /

*Zhurnal Magnitnaya gidrodinamika*, no. 1, 1965, 80-86

tion of hydrogen gas. Langmuir and magnetic probes were used. An interferometer was used to investigate plasma density and structure. It was found that density depended on the amount of injected gas. A minimum mass was found above which

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

L 09883-67  
ACC NR: AT6033196

SOURCE CODE: UR/3226/66/000/041/0001/0014

27  
25

AUTHOR: Kruglyakov, E. P.; Nesterikhin, Yu. Ye.

ORG: none

TITLE: System for ultrahigh-speed registration of spectral line contours

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut yadernoy fiziki. Preprint, no. 41, 1966. Sistema dlya sverkhskorostnoy registratsii konturov spektral'nykh liniy, 1-14

TOPIC TAGS: luminescence, luminescence spectrum, spectral line, spectral line recorder, spectral line contour recorder, plasma

ABSTRACT: An improved model of a double recorder for registering spectral line contours at ultrahigh speeds is described. The recorder (Fig. 1), which combines the elements of an electron optical unit and an electron multiplier, consists of 1) a photo cathode, 2) an electron optical anode, 3) deflecting plates, 4) a recording slit, 5) an electron multiplier diode unit, 6) a collector, and 7) a focusing electrode. Spectral line contours are recorded at  $10^{-8}$  sec and less. Multiple recordings are made both of individual lines and parts of the spectrum

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L 09883-67

ACC NR: AT6033196

2

in one operation, making it possible to follow the changes in the plasma with time. The recorder can be used to study the pattern of luminescence in symmetrical cylindrical bodies. As an electron photo multiplier with an improved signal-to-noise ratio, it can also be used to study weakly luminescence bodies. The authors thank L. V. Gyavgyanen and his associates for their help in building the instrument, and G. F. Dolgov-Savel'yev for a discussion of the results obtained. Orig. art. has: 7 figures.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001 /

Card 2/2 6/0

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

Information of the executive branch, except

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CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

9.4177  
26.1512

83926

S/051/60/009/004/028/034  
E201/E191AUTHORS: Markov, M.N., and Kruglyakov, E.P.TITLE: Zonal Sensitivity of PbS Photoresistors <sup>11</sup>

PERIODICAL: Optika i spektroskopiya, 1960, Vol 9, No 4, pp 538-540

TEXT: The authors investigated zonal sensitivity of PbS photoresistors of ФСА-1 (FSA-1) type; by zonal sensitivity the authors mean variations of sensitivity across a sample. Samples were illuminated with an incandescent lamp and the resultant photoconductivity signal was amplified and measured with a tube voltmeter ЛВ-9М (LV-9M) and an automatic potentiometer ЭПП-09 (EPP-09) connected in parallel with the voltmeter. It was found that, as one went across a sample, there were numerous photosensitivity peaks and "valleys" distributed randomly across the sample surface. The photoresistors studied by the authors (35 samples) could be divided into two approximately equal groups. Those of the first group (Fig 1) had sharp sensitivity maxima mostly in the contact (electrode) regions. In some samples of this group the magnitudes of the maxima depended on the polarity of the applied voltage. In the photoresistors of the second group the numerous maxima were not concentrated in the contact regions

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83926  
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E201/E191

Zonal Sensitivity of PbS Photoresistors

(Fig 2). The sensitivities of the first and second group samples were the same when whole samples were illuminated. Figs 1 and 2 represent results obtained with a circular light spot of about 30  $\mu$  diameter; the results obtained with a larger rectangular spot (0.1 x 4 mm) gave a smoother distribution of the photo-sensitivity for the first group (Fig 3), with peaks near the contacts. At the contacts the sensitivity was about three times higher (and the sensitivity threshold about three times lower) than in the middle of PbS samples. A further lowering of the sensitivity threshold could be obtained by taking the signal from the illuminated region only and not from the whole sample. The photosensitivity peaks occurred at grain boundaries and were accompanied by higher local resistivities (a table on p 539). There are 3 figures, 1 table and 5 references: 1 Soviet and 4 English.

SUBMITTED: April 8, 1960

Card 2/2

L 00305-66 EAT(1)/EPF(n)-2/EWG(m)/EPA(w)-2  
ACCESSION NR: AP5016650

IJP(c) AT  
UR/0382/65/000/002/0031/0034  
533.9.082.5

15

5

AUTHOR: Kruglyakov, E. P.; Malinovskiy, V. K.; Nesterikhin, Yu. Ye.

TITLE: Feasibility of temperature and density determination of nonstationary plasma by means of optical interferometry

SOURCE: Magnitnaya gidrodinamika, no. 2, 1965, 31-34

TOPIC TAGS: plasma diagnostics, interferometer, plasma temperature, electron density

ABSTRACT: The application of a Michelson interferometer to nonstationary plasma diagnostics is reported. Preliminary results on the degree of ionization, electron density and plasma temperature are reported. The method consists of using streak and framing camera photography of the interferograms, and is used for events lasting a few microseconds. It is useful for studies where plasma concentration is  $2 \times 10^{14}$  cm $^{-3}$  and its length is 10 cm or more. It is suggested that interferograms of plasma flows around obstacles can be used for determining its mean-free-path, temperature, and Alfvén's velocity. A simple experiment to determine plasma temperature

Card 1/2

L 00305-66  
ACCESSION NR: AP5016650

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for flows around a T-shaped obstacle is described. Orig. art. has: 4 formulas,  
3 figures.

ASSOCIATION: none

SUBMITTED: 02Oct64

NO REF Sov: 004

ENCL: 00

OTHER: 004

SUB CODE: ME, OP

dy  
Card 2/2

RA 4T25

KRUGLYAKOV, G.

USSR/Geology

Mar 1947

"The Position of the Underground Anomaly between  
Moscow and Leningrad," G Kruglyakov, 7 pp

"Neftyanoye Knozyaystvo" Vol XIV, No 3

Detailed discussion, with diagrams and cross sections,  
of the results of magnetic surveys in the subject area

4T25

BESKOV, B.A.; GERONIMUS, B.Ye.; DAVYDOV, V.N.; KREST'YANOV, M.Ye.;  
MARKVARDT, G.G.; MININ, G.A.; Prinimal uchastiye TAMAZOV,  
A.I.; VAYNBLAT, E.G., inzh., retsenzent; KRUGLYAKOV, F.Ye.,  
inzh., retsenzent; KUCHMA, K.G., kand. tekhn.nauk,  
retsenzent; LOMAZOV, D.V., kand. tekhn. nauk, retsenzent;  
SLUTSKIY, Z.M., inzh., retsenzent; FRADKIN, I.S., inzh.,  
retsenzent; YUSHKOV, P.K., inzh., retsenzent; PERTSOVSKIY,  
L.M., inzh., red.; USENKO, L.A., tekhn. red.

[Design of electric railroad power supply systems] Proektiro-  
vaniye sistem energosnabzheniya elektricheskikh zheleznykh do-  
rog. [By] B.A.Beskov i dr. Moskva, Transzheldorizdat, 1963.  
470 p.  
(MIRA 17:2)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, I.O.

Features of the motor function of the gall bladder during the  
action of various quantities of food stimuli. Vest. rent. 1  
rad. 35 no. 5:71-73 S-0 '60. (MIRA: 13;12)  
(GALL BLADDER)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

LINDENBRATEN, L.D., prof.; KRUGLYAKOV, I.O.

Standardization of the X-ray study of the motor function of the gall bladder. Terap.arkh. 33 no.8:68-76 '61. (MIRA 15:1)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. D.D. Lindenbraten) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.  
(GALL BLADDER—RADIOGRAPHY)

KRUGLYAKOV, I. O.

Dependence between the motor functions of the gall bladder of healthy individuals and the quantity of food stimulus; X-ray observations. Vrach. delo no. 7:23-27 Jl '62.

(MIRA 15:7)

1. Kafedra rentgenologii i radiologii (zav. - L. D. Lindenbraten)  
1 Moskovskogo meditsinskogo instituta.

(GALL BLADDER--RADIOGRAPHY) (DIGESTION)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, I.O.; LINDENBRATEN, L.L.; LIKHTENSHTEYN, Ye.A.

Use of cybernetics in the development of radiotherapy. Med.  
rad. 9 no.2:94-99 F '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

LINDENKRATZ, L.D., prof.; KRUGLYAKOV, I.O., cand. med. наук

Function of the normal gallbladder in the X-ray picture.  
Trudy 1-go MMI 39:21-38 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, I.O., kand. med. nauk

Effect of the quantitative composition of various nutritional  
stimulants on the motor function of the gallbladder in healthy  
persons. Trudy 1-go MMI 39:54-65 '65. (MTRA 18:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

LINDEMIRATEN, L.D.; KU GLYAKOV, I.O.; ASTAPOV, B.M.; GYMACHENKOV, Yu.M.

Phenomenon of the enlargement of the gallbladder during  
choledochography. Trudy 1-go MI 39:199-205 '65. (MI&A 18:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, I.O., kand. med. nauk

Some aspects of a cybernetic approach to the analysis of the  
functions of the gallbladder by means of cholecystography.  
Trudy 1-go MMI 39:232-237 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

KRUGLYAKOV, I.O., kand. med. nauk; YAROV, G.A.

X-ray examination of the motor function of the gall-bladder  
in its flexions and constrictions. Sov. med. 28 n. (10,80-83)  
O '65.  
(MIRA 18:11)

Iz Kafedra rentgenologii i radiologii (nav., prof. L.V. Lidenbraten) i Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

USSR/Farm animals. Menses.

Q

Abstr Jour: Ref Zhur-Biol., N. 20, 1958, 92574.

Author : Kruglyakov, M.G.

Inst : Turkestan Agricultural Institute.

Title : Structure of the Venous Sinuses of the Cervical and Thoracic Portions of the Vertebral Canal in Donkeys

Orig Pub: Tr. Turkmen. s.-kh. in-ta, 1957, 9, 201-209.

Abstract: It was demonstrated in 19 donkey corpses aging from 8 months of fetal life to 17 years of by the method of vessel infusion and preparation that the longitudinal vertebral sinuses and lateral lacunes of the cervical section are better developed than the thoracic portion. The lateral lacunes function as lower hydraulic pads for efferent cerebrospinal

Card : 1/2

52

USSR/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92574.

nerves. The isthmus of the lateral vertebral sinuses of the cervical portion flows into the sinuses at a sharp angle, the vertex of which is directed caudally; the vertex of analogous angles of the thoracic section may also have a cranial direction. The intervertebral dorsal sinuses in the cervical section are the higher hydraulic cushions for the cerebrospinal nerves. These sinuses are connected to the two longitudinal joining veins, which results in the formation of venous rings around the intervertebral foramina.

Card : 2/2

USSR/Farm Animals. Horses.

Q

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 92575.

Author : Kruglyakov, M.G.

Inst : Turkmen Agricultural Institute.

Title : The Internal Structure of the Venous Sinuses of the Vertebral Canal in Donkeys.

Orig Pub: Tr. Turkmen. in-ta, 1957, 9, 211-218.

Abstract: It was shown by the vessel infusion and preparation method in 19 donkey, 6 bovine, 4 pig, one horse and one human cadavers that in the sinus cavities of the vertebral canal there is a system of septa, chordae, promontories, semilunar valvulae and bicuspid valves which divide the venous blood into separate streams. The semilunar valves partially cover and the bicuspid valves completely cover the lumen.

Card : 1/2

53

USSR, Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92575.

of the longitudinal vertebral sinus (LVS). The LVS of the cervical section has a metamerie distribution of bicuspid valves which prevent the outflow of venous blood to the head and soften the effect of hydraulic shock in abrupt turns of the neck. The complex system of septa which exists in the cavities of the intervertebral dorsal sinuses prevents the blood from eddying in the sinus. The caudal connective veins of the sinuses and caudal veins of the vertebral arches in the cervical section do not have valves. When the neck is lowered they carry the blood away from the longitudinal vertebral sinus to the external dorsal plexus of the spine.

Card : 2/2

USSR/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 22576.

Author : Kruglyakov, M.G.

Inst : Turkmen Agricultural Institute.

Title : The Internal Arrangement of the Right Vena Azygos and  
Its Fusion with Veins of the Vertebral Canal in  
Donkeys.

Orig Pub: Tr. Turke. s.-kh. in-ta, 1957, 9, 219-223.

Abstract: It was demonstrated on 22 donkey cadavers by using  
the method of vessel infusion and preparation that  
the intercostal veins principally connect with  
the veins of the vertebral canal through veins of the  
corpora vertebrae, and the blood enters through the  
left veins into the vertebral sinuses and is carried

Card : 1/3

54

USSR/Farm Animals. Horses.

Q

Als Jour: Ref Zhur-Biol., No 20, 1958, 92575.

away from them by the right veins into the vena azygos. The right veins of the corpora vertebrae have, at the points of junction into the right intercostal veins, semilunar valves which regulate the inflow of blood from the sinuses. At the points where the left veins of the corpora vertebrae are joined to the left intercostal veins there are special protuberances which divide the blood stream into two currents, namely into the sinuses of the vertebral canal and into the vena azygos. The anterior and posterior segments of the vena azygos have 2 to 6 valves. The roots of the vena azygos and the anastomosis which connects them to the lumbar veins are each provided with 2-3 valves,

Card : 2/3

USSR/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1956, 92576.

the pockets of which are directed toward different sides. Hence, the blood flow in the last intercostal veins advances into the vein azygos and goes backward into the lumbar veins.

Card : 3/3

55

KRUGLYAKOV, M. Kh. (Irkutsk, ul.Gor'kogo, d.40, kv.10)

Giant congenital diverticulum of the transverse colon. Nov.  
khir.arkh. no.4:99-101 Jl-Ag '59. (MIRA 12:11)

1. Kafedra obshchey khirurgii (zav. - prof.A.I.Sorkina) Irkut-  
skogo meditsinskogo instituta.  
(COLON (ANATOMY)--DISEASES)

RESEARCH, IN. I. M. S.

Unit. Inst. No. .

Dissertation: "Substantiation of a New Design of a Sifting Chain Device for Fertilizer Sowers." Moscow Inst of Mechanization and Electrification of Agriculture Izmeni V. V. Molotov, 19 Mar 47.

SO: Vechernaya Moskva, Mar, 1947 (Project #17836)

Druzhkov, M. L.

Aud. Agricul. Sci

Dissertation: "Investigation of Fertilizer-Distributing Devices, and Agricultural-  
Technological Substantiation of Their Efficient Construction."

30 June 49

All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil Science  
(Vseri N.I. Ledroyets)

**SO Vecheryaya Moskva**  
**Sum 71**

KRUGLYAKOV, M.L., kandidat sel'skokhozyaystvennykh nauk.

[Machines for incorporating fertilizers into the soil; agrotechnical principles for their design, construction and instructions for their operation] Mashiny dlia vneseniia udobrenii v pochvu; agrotekhnicheskie obosnovaniia konstruktsii, ustroistvo i ukazaniia po eksploatatsii. 2. ispr. i dop. izd. Moskva, Gos. nauchno-tekhn izd-vo mashinostroit. lit-ry, 1953. 230 p. (MLRA 6:10) (Agricultural machinery) (Fertilizers and manures)

KRUGLYAKOV, Moisey L'vovich, kand.sel'skokhoz.natk; ROZIN, M.A., red.  
BALLOD, A.I., tekhn.red.

[Mechanized preparation and placement of fertilizers] Mekhani-  
zatsiia podgotovki i vneseniia udobrenii. Moskva, Gos.izd-vo  
sel'khoz.lit-ry, 1959. 247 p. (MIRA 12:10)  
(Fertilizers and manures) (Fertilizer spreaders)

POSPELOV, Aleksandr Mikhaylovich, kand.tekhn.nauk; KRUGLYAKOV, M.L.,  
kand.tekhn.nauk, retsenzent; PAL'KO, O.S., inzh., red.;  
CHURNOVA, Z.I., tekhn.red.; GORDYIEVA, L.P., tekhn.red.

[Machinery for the application of liquid fertilizers] Mashiny  
dlia vneseniia shidkikh udobrenii. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit.lit-ry, 1960. 143 p.

(MIRA 14:4)

(Fertilizer spreaders)

KRUGLYAKOV, M.L.; ROZIN, M.A., red.; SOKOLOVA, N.N., tekhn. red.;  
PROKOF'YEVA, L.N., tekhn. red.

[Mechanization of the preparation and application of fertilizers]  
Mekhanizatsiya podgotovki i vneseniia udobrenii. 2. izd., dop. 1  
ispr. Moskva, Sel'khozizdat, 1961. 302 p. (MIRA 15:12)  
(Fertilizers and manures) (Agricultural machinery)

KRUGLYAKOV, Moisey L'vovich, kand. sel'khoz. nauk; KRUGLYAKOV,  
Al'fred Moiseyevich, inzh.; LEONOVA, T.S., red.; ATROSHCHENKO,  
L.Ye., tekhn. red.

[Soil fertility technique; fertilizers and new machines for  
their placement in the soil] Tekhnika plodorodia; udobreniya  
i novye mashiny dlja vneseniia ikh v pochvu. Moskva, Izd-vo  
"Znanie," 1964. 62 p. (Novoe v zhizni, nauke, tekhnike.  
V Serii: Sel'skoe khoziaistvo, no.4) (MIRA 17:3)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, M.I.; ANTONENKO, I.Ya.

Prospective development of the design of agricultural sowing and  
planting machines. Trakt. i sel'khozmash. no.1:30-31 Ja '64.  
(MIRA 17:4)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, M.L.; KRUGLYAKOV, A.M.; RADINA, M.M., red.

[Mechanization of the preparation and placement of  
fertilizers] Mekhanizatsiya podgotovki i vneseniia udeob-  
renii. Izd.3., dop. i ispr. Moskva, Kolos, 1965. 286 p.  
(MIRA 18:7)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

ACC NR: AP6035746

(A)

SOURCE CODE: UR/0413/66/000/019/0109/0109

INVENTORS: Balandin, M. P.; Volosatov, A. K.; Antonenko, I. Ya.; Busheta, P. P.;  
Zhirkov, A. I.; Ivanov, Yu. V.; Kruglyakov, M. L.; Mordukhovich, A. I.; Popov, P.  
K.; Smetnev, S. D.; Fanfaroni, F. I.; Shcherbakov, A. M.; Krivoshey, M. N.

ORG: none

TITLE: A device for broadcasting pesticides and meliorating substances. Class 45,  
No. 166787 [announced by All-Union Scientific Research Institute for Mechanization of  
Agriculture (Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo  
khozyaystva)]

SOURCE: Izobreteniya, promyshlennyye obrastsy, tovarnyye znaki, no. 19, 1966, 109

TOPIC TAGS: agricultural machinery, agricultural engineering, broadcasting operation,  
pesticide, fertilizer

ABSTRACT: This Author Certificate presents a device for broadcasting pesticides and  
meliorating substances. The device contains a tank divided into sections, broadcasting  
mechanisms, receiving chambers of the fertilizer duct, and a driving mechanism. To  
provide for a uniform broadcasting of a material, the broadcasting mechanisms are  
made in the shape of cones mounted on a common shaft carrying a spiral with the  
opposite direction of coil loops. Every revolving cone may be spring loaded and may

UDC: 631.333.9

Card 1/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

ACC NR: AP6035746

be contained, together with a receiving chamber, in a common casing.

SUB CODE: 02, 06/ SUBM DATE: 23Apr65

Card 2/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

HYABCHUN, A.; KRUGLYAKOV, P.

Conference on the exchange of experience during the coruses  
given by the Ukrainian Ministry of Cereal Products in Chernovtsev.  
Muk.--elev.prom. 26 no.2:27 F '60. (MIRA 13:6)

1. Ukrainskiye respublikanskiye kursy Ministerstva khleboproduktov  
USSR v Chernovtsakh.  
(Grain--Storage)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, P.M.; TAUBE, P.R.

Changes in the specific surface of foam. Zhur. prikl. khim.  
38 no.10:2258-2264 O '65. (MIRA 18:12)

1. Submitted Dec. 21, 1964.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1

KRUGLYAKOV, P.M.; TAUKE, P.R.

Certain problems involved in the kinetics of foam breakdown, Zhur.  
prikl. khim. 38 no.7:1514-1520 J1 '65. (MIRA 18:7)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720005-1"

KRUGLYAKOV, S.S.

KHOMYAKOV, V.G.; KRUGLYAKOV, S.S.; IZGARYSHEV, N.A. [deceased].

Electrochemical oxidation of  $\beta$ -picoline. Dokl. AN SSSR 115 no.3:557-559  
(MIRA 10:10)  
Jl '57.

1. Moskovskiy khimiko-tehnologicheskiy institut im. D.I.Mendeleyeva.
2. Chlen-korrespondent AN SSSR (for Izgaryshev).  
(Picoline) (Oxidation, Electrolytic)

ACC NR: AP7008912

SOURCE CODE: UR/0215/66/000/011/0968/0077

AUTHOR: Kruglyakov, V. V.; Kruglyakova, G. I.

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TITLE: Importance of epirogenic curves for interpreting the spatial distribution of the geomagnetic field

SOURCE: Sovetskaya geologiya, no. 11, 1966, 68-77

TOPIC TAGS: geomagnetic field, geophysics

SUB CODE: 08

## ABSTRACT:

The paper begins with a discussion of the importance of a knowledge of the distribution of the geomagnetic field for determining the presence of mineralization and a description of the geomagnetic field of the Southern Urals at different heights. Fig. 1 shows  $\Delta T_a$  anomalies at a height of 6 km; Fig. 2 is the same for a height of 30 km; Fig. 3 is a diagram of the block structure of the Southern Urals. The Southern Urals have a block structure and the blocks are separated by a network of deep faults of different age. The new data which can be obtained from the use of epirogenic curves (supplementing other methods) is the main part of the article. It is shown that their use in analyzing the thicknesses and rates of accumulation of sediments within this area (from the Precambrian to the Upper Palaeozoic) gives important information on the characteristics of development of these blocks and the

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UDC: 550.38

A030 150-6

ACC NR: AP7008912

history of development of the region as a whole. Specifically, by a comparison of the geophysical fields of the blocks and the character of sedimentation it is possible to establish for each block whether the geophysical field of the region is caused only by the influence of the petrographic composition of the rocks forming the basement or if the geotectonic characteristics of the area also play a role. Comparison of the pattern of spatial distribution of the magnetic field and the character of sedimentation makes it possible to detect deep faults among the surface faults, the time they were formed and the periods of their maximum activity. The deep faults in the Southern Urals detected by this method are of importance in evaluating the metallogeny of the area and the conditions of ore formation. Analysis of the epirogenic

curves can be used for correlation of faults in relation to an evaluation of their role in mineral formation. Orig. art. has 4 figures. [JPRS:  
39,718]

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S/049 CO/000/01/022/027  
E201/E191

AUTHORS: Kruglyakova, G.I., and Kruglyakov, V.V.

TITLE: The Effect of the Nature of Lava Flow on Remanent  
Magnetization in Rocks

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya,  
1960, No 1, pp 158-160

TEXT: The experiments were carried out on basalt deposits in Berestovets and Yanova Dolina in Volyn (Ukrainian SSR). The lava streams were between 12 and 14 m thick. It was found (Table on p 160) that the vector of remanent magnetization in basalt reflects the geomagnetic field existing during the period of formation of the rock only in the portion where lava flow was laminar. If lava solidified below 675 °C the direction of the vector of remanent magnetization could differ greatly from the direction of the geomagnetic field of the given period even in portions where the flow was laminar. The edges of lava streams, where turbulent motion occurred, had random magnitudes and directions of remanent magnetization which were not necessarily related to the magnitude and direction of the geomagnetic field of the given geological period. It follows therefore that in paleomagnetic investigations ✓

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S/049/60/000/01/022/027  
E201/E191

The Effect of the Nature of Lava Flow on Remanent Magnetization  
in Rocks

one should use samples near lava craters, and then only the central  
portions of lava streams.

There are 1 table and 4 references: 3 Soviet and 1 English.

ASSOCIATION: Akademiya nauk USSR, Institut geologii poleznykh  
iskopayemykh  
(Institute of Geology of Useful Minerals, Academy of  
Sciences, Ukrainian SSR)

SUBMITTED: January 8, 1959

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Ap '62.

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GAMBASHIDZE, Abo Ksenofontovich; IVANOV, A.S., inzh., retsenzent;  
KHARITONOV, N.P., retsenzent; MARSHALKIN, G.A., kand.tekhn.  
nauk, retsenzent, spetsred.; KRUGLOVA, G.I., red.;  
PEREDERIY, S.P., tekhn.red.

[Equipment used in wine making] Oborudovanie vinodel'cheskogo  
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UCCR/Engineering  
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Feb 1967

"The Problem of Prospecting for Natural Gas and Oil Between Moscow and Leningrad,"  
Prof I. O. Brod, G. I. Kruglyakova, 11 pp

"Vestnik Moskovskogo Universiteta" No 2

A discussion on the geological environment which justifies the hypothesis of a possible formation of natural gas and oil between Moscow and Leningrad. By comparing the geomorphological characteristics of the region with the data of gravimetric and magnetometric investigations the position of the buried barriers, formed by a projection of the Pre-Cambrian basement can be traced, as well as the region of probable oil and gas accumulations in the Cambrian-Selurian basement and the Devonian deposits.

PA 2AT37

REF ID: A6513

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SO: U-2900, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 4, 1948).